

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021148.D
 Acq On : 10 Feb 2025 09:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 11 00:25:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.719	168	154667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	232967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	203378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	99459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	82861	52.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.580%			
35) Dibromofluoromethane	7.646	113	79184	53.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.080%			
50) Toluene-d8	10.115	98	298724	52.555	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.414	95	102841	55.382	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	68087	49.391	ug/l	95
3) Chloromethane	2.074	50	60763	44.669	ug/l	100
4) Vinyl Chloride	2.214	62	62468	45.625	ug/l	98
5) Bromomethane	2.610	94	35678	42.161	ug/l	96
6) Chloroethane	2.745	64	37104	45.524	ug/l	100
7) Trichlorofluoromethane	3.074	101	119609	47.951	ug/l	99
8) Diethyl Ether	3.470	74	37214	47.790	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	74792	47.774	ug/l	95
10) Methyl Iodide	4.019	142	81879	47.077	ug/l	91
11) Tert butyl alcohol	4.903	59	23246	216.469	ug/l	99
12) 1,1-Dichloroethene	3.805	96	70142	47.563	ug/l	92
13) Acrolein	3.665	56	26495	160.223	ug/l	98
14) Allyl chloride	4.403	41	122122	49.135	ug/l	96
15) Acrylonitrile	5.080	53	79717	245.841	ug/l	99
16) Acetone	3.891	43	58099	235.096	ug/l	94
17) Carbon Disulfide	4.122	76	217616	47.059	ug/l	98
18) Methyl Acetate	4.397	43	43611	50.270	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	186809	50.118	ug/l	98
20) Methylene Chloride	4.635	84	73601	47.908	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	79081	48.716	ug/l	96
22) Diisopropyl ether	6.031	45	255429	49.860	ug/l	97
23) Vinyl Acetate	5.976	43	719506	251.941	ug/l	97
24) 1,1-Dichloroethane	5.927	63	146561	48.830	ug/l	99
25) 2-Butanone	6.908	43	98686	243.010	ug/l	97
26) 2,2-Dichloropropane	6.896	77	135448	48.771	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	89668	47.990	ug/l	92
28) Bromochloromethane	7.262	49	54368	45.808	ug/l	99
29) Tetrahydrofuran	7.274	42	67685	246.313	ug/l	95
30) Chloroform	7.433	83	151975	49.295	ug/l	99
31) Cyclohexane	7.713	56	125762	46.529	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	140990	49.188	ug/l	100
36) 1,1-Dichloropropene	7.847	75	110911	50.154	ug/l	100
37) Ethyl Acetate	7.000	43	48122	49.604	ug/l	99
38) Carbon Tetrachloride	7.829	117	132156	51.145	ug/l	99
39) Methylcyclohexane	9.121	83	139054	51.407	ug/l	99
40) Benzene	8.091	78	325006	50.081	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24219	43.152	ug/l	91
42) 1,2-Dichloroethane	8.170	62	92306	51.274	ug/l	97
43) Isopropyl Acetate	8.207	43	97595	50.629	ug/l	96
44) Trichloroethene	8.878	130	82029	48.924	ug/l	99
45) 1,2-Dichloropropane	9.146	63	77143	50.082	ug/l	99
46) Dibromomethane	9.237	93	42954	50.365	ug/l	96
47) Bromodichloromethane	9.432	83	114978	50.268	ug/l	98
48) Methyl methacrylate	9.231	41	46414	52.860	ug/l	93
49) 1,4-Dioxane	9.243	88	8477	1067.716	ug/l	91
51) 4-Methyl-2-Pentanone	10.005	43	249637	257.528	ug/l	97
52) Toluene	10.176	92	206512	50.679	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	106944	52.071	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	122813	50.504	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	55173	49.958	ug/l	99
56) Ethyl methacrylate	10.444	69	77403	52.390	ug/l	90
57) 1,3-Dichloropropane	10.725	76	97536	51.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	194414	276.597	ug/l	99
59) 2-Hexanone	10.768	43	165827	265.693	ug/l	96
60) Dibromochloromethane	10.920	129	77668	50.078	ug/l	99
61) 1,2-Dibromoethane	11.024	107	51741	50.018	ug/l	99
64) Tetrachloroethene	10.658	164	73136	48.442	ug/l	96
65) Chlorobenzene	11.450	112	224370	49.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	80793	50.203	ug/l	97
67) Ethyl Benzene	11.530	91	402287	50.224	ug/l	98
68) m/p-Xylenes	11.639	106	300517	100.290	ug/l	96
69) o-Xylene	11.962	106	141918	50.800	ug/l	96
70) Styrene	11.981	104	239593	51.456	ug/l	98
71) Bromoform	12.139	173	45233	50.495	ug/l #	98
73) Isopropylbenzene	12.261	105	384915	49.544	ug/l	100
74) N-amyl acetate	12.078	43	86071	50.673	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	62422	48.310	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	40986m	45.428	ug/l	
77) Bromobenzene	12.542	156	87055	48.557	ug/l	95
78) n-propylbenzene	12.603	91	466377	50.393	ug/l	99
79) 2-Chlorotoluene	12.688	91	258487	48.765	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	316294	50.213	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	21825	49.360	ug/l	96
82) 4-Chlorotoluene	12.785	91	266470	49.341	ug/l	100
83) tert-Butylbenzene	13.005	119	282941	49.418	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	312528	50.744	ug/l	99
85) sec-Butylbenzene	13.182	105	410342	49.789	ug/l	98
86) p-Isopropyltoluene	13.298	119	348361	50.884	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	169150	48.862	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	167384	49.108	ug/l	99
89) n-Butylbenzene	13.627	91	323610	51.814	ug/l	99
90) Hexachloroethane	13.889	117	69459	48.633	ug/l	85
91) 1,2-Dichlorobenzene	13.669	146	146865	48.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	9707	50.273	ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	90296	53.990	ug/l	96
94) Hexachlorobutadiene	15.029	225	58162	52.479	ug/l	98
95) Naphthalene	15.151	128	147113	54.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	73013	52.459	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

